

ISSUE 4
JUNE 2019 - MAY 2020

DEPARTMENT OF
ELECTRICAL ENGINEERING

Electro Spark

“No Resistance can drop our Potential”

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(Director, RIT, Rajaramnagar)

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(Dean Diploma, RIT,
Rajaramnagar)

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**MAHARASHTRA STATE BOARD OF
TECHNICAL EDUCATION, MUMBAI
HAVE AWARDED.....**



**GRADE TO DEPARTMENT OF
ELECTRICAL ENGINEERING, RIT,
RAJARAMNAGAR
(DIPLOMA 2ND SHIFT) FOR THERE
PERFORMANCE IN A.Y 2019-20**



RAJARAMBAPU INSTITUTE OF TECHNOLOGY

K. E. Society's
Rajarambapu Institute of Technology, Rajaramnagar
(An Autonomous Institute)
(Diploma 2nd Shift)
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❖ From the Editor's Desk

Dear Readers, Greetings. For this academic year, department has achieved 100% placement and also witnessed a higher number of Industries visiting the campus. I am sure you all go through it and join us in cherishing this milestone. Going a step further department also put in streamlined efforts to offer placement assistance to those who felt a dearth of the same. Department not only organized two state level technical events but also celebrated Engineer's Day and teacher's Day by arranging Quiz and Teaching Competition Thank You.....



Prof. Mrs. S. S. Patil
(Editor, Electrical
Dept.)



Ms. Swarali Kadam
S.Y. Electrical
AY 2019-20

❖ From the student's Desk

Electricity production

In 2019, world gross electricity production was 6.2% higher than 2018. Year on year, global electricity production has grown each year continuously since 1974, except for between 2008 and 2009, when the global financial crisis caused an appreciable decline in production. In 2019, non-OECD countries' share of production reached 59.5% of world electricity generation, Annual production growth between 2010 and 2019 averaged 0.4% in OECD countries, compared with 4.9% in non-OECD countries In 2019, generation from combustible fuels accounted for 68.8% of total world gross electricity production.

❖ Department Vision

To develop competent engineers by providing quality technical Education in the field of electrical engineering to meet future needs and challenges of the society and industry.

❖ Department Mission

- To impart technical education in close interaction with industry and community.
- To develop young minds sensitive to ethical and environmental issues.
- To prepare young aspirants with the sprits of lifelong learning for career enhancement.

❖ Program Educational objectives (PEOs)

PEO 1: Provide socially responsible, environment friendly solutions to Electrical engineering related problems adapting professional ethics.

PEO 2: Exhibit the ability to utilize state-of-the-art Electrical engineering technologies to work in multi-disciplinary work environments.

PEO 3: Develop and execute solutions for broad-based problems while working individually and as a team member by communicating effectively at the work place.

❖ Program Outcomes (POs)

PO1. Basic and discipline specific knowledge - apply knowledge of basic mathematic, science, engineering fundamental and engineering specialization to solve the electrical problems

PO2. Problem analysis - Identify and analyze electrical engineering problems using suitable standard method.

PO3. Design / development of solution - Design solution for technical problems and assist with the design of electrical system components or process to meet specified needs.

PO4. Engineering tools experimentation and testing - Apply modern engineering tools & appropriate technique to conduct standard test and measurement related to engineering field

PO5. Engineering practices for society and environment.- apply appropriate technology in context of society environment and ethical practical

PO6. Project management - use engineering management principle individually as a team member or a leader to manage product and communicate effectively about engineering activity

PO7. Life –long learning - analyze individual needs and engage in updating in the context of technology development.

❖ Department Achievements

Mr. K. A. Waghmare Achieved “Technical Service Award” by Indian Society for Technical Education (ISTE) RIT in 2019-20.



❖ Department Activities

A number of programs like Guest lectures, Industrial visit & training workshops from various Institutional Organization & Industrial Experts were organized by department for in-depth understanding of the subjects.

❖ Guest lecture



Mr. Abhijeet Jadhav

(Illumination and Electrification of Building)

Mr. Suraj S. Nalawade (Environmental Studies)

❖ Confluence with Industries



TY Electrical Visit at Calactic Electric



TY Electrical visit at substation Islampur



TY Electrical visit at Laxmi Pumps



SY Electrical visit at Sharda Capacitors

❖ Cultural Activities



Flood Area Cleaning



Tree Plantation



Blood Donation Camp



Engineer's Day Celebration



Gurupournima Day

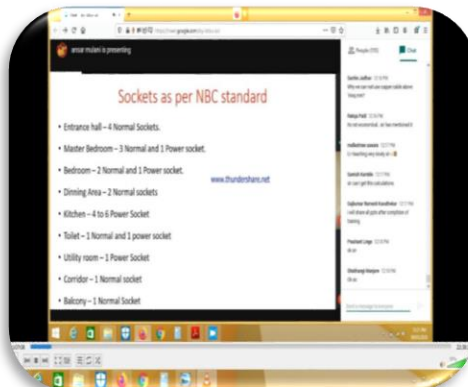


Ganesh Visarjan Cleanliness Drive

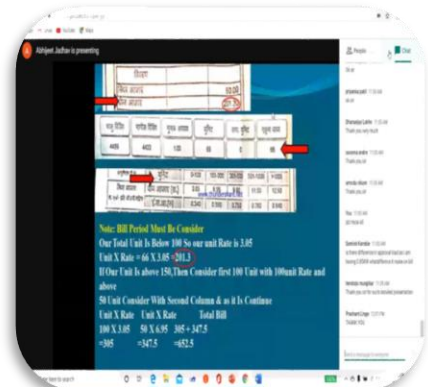
❖ Training & Workshop



Arduino and its application



Electrical Design, Contracting and Energy Bill Calculation



❖ Research and Publication

Mr. Kavathekar G. R. Presented and published research paper in [Journal of Physics: Conference Series](#)_(ICAPSM-2020) on the topic “Interleaved high power improved two-stage flyback inverter for photovoltaic applications” Phys.: Conf. Ser. 1706 012052

❖ Training/Workshop/Seminar/Conference attended by Faculty

Sr. No	Module Description	Any other contributory Inst./Industry	Attained by Faculty	Duration	Organized by
1	Manufacturing of WTG (Wind Turbine Generator)	Suzlon Energy	Mr. S. M. More	3 Days	MSBTE
2	Basic Automation- PLC SCADA	Siemens Sitrain Kalwa, mumbai	Mr. A. D. Nikam	5 Days	MSBTE
3	Electrical Auto-Cad	RIT, Rajaramnagar	Mr. A.V.Kulkarni	2 Days	Diploma Electrical Engineering
4	Electrical Auto-Cad	RIT, Rajaramnagar	Ms. P.S.Patil	2 Days	Diploma Electrical Engineering
5	Arduino and Its Applications	RIT, Rajaramnagar	Mrs. S.S.Patil	2 Days	Electrical Engineering
6	Arduino and Its Applications	RIT, Rajaramnagar	Mr. A.V.Kulkarni	2 Days	Electrical Engineering
7	Effective Teaching Learning and Outcome Based Education	RIT, Rajaramnagar	Ms. P. S. Patil	6 Days	RIT- CTL
8	Effective Teaching Learning and Outcome Based Education	RIT, Rajaramnagar	Mr. A.V.Kulkarni	6 Days	RIT- CTL
9	Embedded Systems and IoT" funded by AICTE	RIT, Rajaramnagar	Mrs. S. S. Patil	12 Days	E & Tc Engineering
10	Recent Trends in Electrical Engineering	Sanjay Ghodavat Polytechnic College, Atigre	Mr. A.V.Kulkarni	5 Days	Electrical Engineering

❖ Placements of Department Students

Sr. No.	Name of Company	Students placed	Package (LPA)
1	Bharat Forge, Pune	4	1.5
2	Owens corning Mumbai	1	2.4
3	Flex Electronics, Pune	1	2.5
4	Arcelor Mittal Nippon Steel India	1	1.44
5	Padmabhushan Krantiwar Dr.Nangnath Anna Naikwadi Karkhana Ltd. Walwa	1	0.9
6	Tata Motors Pune	1	1.44
7	Varroc Group, Pune	1	1.44
8	Yazaki India Ltd. Pune	1	1.93

Our Toppers A.Y.2019-20

First Year

1 st	Ankita Patil	88.76%
2 nd	Pratiksha Awati	87.76%

Second Year

1 st	Pradnya Gawade	92.38%
2 nd	Nihal Mulani	91.23%

Third Year

1 st	Prajakta Patil	92.21%
2 nd	Yogita Gaikwad	88.80%

❖ Student Articles

Micro project and caption project are useful or not.

Making Micro project and caption project on technical topics increase our thinking ability. By preparing micro project in every semester on different subjects we learn more information about all topic related to our trade. We do our micro project in group format so here are some skills are developed. Like team work, communication skills and unity. While preparing micro project we screech more information about our topic on Google and you tube so here our software skills are developed. Sometime we prepare a model on particular topic so here our technical and practical knowledge is getting better day by day. Also we have to do Caption project in our last year. In this year we give our caption project presentation on online platform so while preparing for it we understood what type of technical issues are there. We get new experience of online presentation. So it's very useful for us.



Ms. Swarali Kadam
S.Y. Electrical
AY 2019-20

Are the micro project and capstone project are useful or not?

The benefits of project management are boundless. And the capstone project it means of the basic foundation for your next successful work. What's the micro project or capstone project? And how's the benefits of them? Micro project is the little bit part of Microsoft technology and capstone project is a big experience for graduates. Micro project depending on your plan, Microsoft Project lets you plan projects, assign tasks, manage resources, and make reports and more. Having a solution can help them keep everything organized while planning and running projects, in a way that is accurate, predictable, and profitable. A Capstone Project is a multifaceted body of work that serves as a culminating academic and intellectual experience for students. A capstone project plays a vital role in preparing a student for the future course of learning. It gives students a chance to retain whatever they have been learning during their college studies and apply it once they pursue a specific academic profession in the college.



Ms. Sonali Patil
SY Electrical
AY 2019-20

Feedback

I would sincerely appreciate the efforts extended by Chief editor and H.O.D., RIT. Newsletter team in publishing enriched the informative issues of department newsletter. It's worth appreciating that the contents are informative about Circuit Builder, Industrial Visit And Guest Lecture, faculty and students achievements. Photo quality is too good. I take this opportunity to offer my heartiest congratulations to Electrical department for receiving "Quality Circle" Award.



Mr. Tushar Ghodake
S.Y. Electrical
AY 2019-20